LISTING OF THE CLAIMS

Claims 1 and 32 are amended in this response. Claims 33-37 are new. A complete listing of the currently pending claims is provided below. No new matter has been added.

1. (Currently Amended) A computer implemented process for materializing a trace in a markup language syntax, the process comprising:

creating a meta-language grammar;

creating a first trace grammar in which the first trace grammar complies with rules of the meta-language grammar;

creating a second trace grammar wherein the second trace grammar is different than the first trace grammar in which the second trace grammar also complies with the rules of the meta-language grammar;

generating one or more traces compliant with the ~~first~~ trace grammars;

parsing the one or more traces;

identifying interrelationships within the one or more traces; and

generating a new version of the one or more traces using a markup language syntax.

2. (Previously Presented) The process of claim 1 in which a subset of the one or more traces are compliant with a second trace grammar.

3. (Previously Presented) The process of claim 2 further comprising:

detecting a format conflict between the first trace grammar and the second trace grammar.

4. (Previously Presented) The process of claim 1 further comprising:

generating parsing rules based upon an analysis of the first trace grammar.

5. (Previously Presented Previously Presented) The process of claim 1 further comprising:

analyzing the one or more traces to ensure compliance with the first trace grammar.

6. (Original) The process of claim 1 further comprising:
storing results of parsing in one or more tables.

7. (Original) The process of claim 6 in which the one or more tables comprises hash tables corresponding to keywords in the one or more traces.

8. (Original) The process of claim 1 further comprising:
building a semantic network corresponding to the identified interrelationships.

9. (Original) The process of claim 8 in which the semantic network comprises at least one link and at least two nodes.

10. (Original) The process of claim 9 in which the at least two nodes represent resources and the at least one link defines a relationship between the at least two nodes.

11. (Original) The process of claim 9 in which each of the at least two nodes is represented as a keyword-UID combination.

12. (Original) The process of claim 8 in which the semantic network is represented using a semantic network representation language.

13. (Previously Presented) The process of claim 12 in which the semantic network representation language is selected from the group consisting of SnePs, SGML, XML, and HTML.

14. (Original) The process of claim 8 in which the semantic network is persistently stored.

15. (Original) The process of claim 8 in which the semantic network is built using a semantic network builder system.

16. (Previously Presented) The process of claim 8 further comprising:
performing a search of the semantic network based upon a received query.

17. (Original) The process of claim 16 in which the semantic network is utilized to identify hyperlinks to be embedded into the new version of the one or more traces.

18. (Original) The process of claim 1 in which the new version of the one or more traces comprises a hyperlink.

19. (Original) The process of claim 1 further comprising defining a second meta-language grammar.

20. (Previously Presented) A system for materializing a trace having markup language syntax, comprising:

a first mechanism that receives a plurality of trace grammars, wherein the plurality of trace grammars are different than each other, the plurality of trace grammars modifiable within rules of a meta-language grammar;

a parser to parse a plurality of traces complying with the plurality of trace grammars;

a second mechanism to build one or more semantic networks based upon interrelationships for the plurality of traces; and

a manifestation mechanism to generate at least one new version of the plurality of traces to include at least one hyperlink based upon the one or more semantic networks.

21. (Previously Presented) The system of claim 20 in which the first mechanism constructs one or more parsing rules utilized by the parser to parse the plurality of traces.

22. (Original) The system of claim 20 in which the parser stores results of the parsing in one or more tables.

23. (Previously Presented) The system of claim 22 in which the one or more tables comprises hash tables corresponding to keywords in the plurality of traces.

24. (Original) The system of claim 20 in which each of the one or more semantic networks comprises at least two nodes and at least one link.

25. (Original) The system of claim 24 in which each of the at least two nodes represent a resource and the at least one link defines a relationship.

26. (Original) The system of claim 24 in which each of the at least two nodes is represented as a keyword-UID combination.

27. (Previously Presented) The system of claim 20 in which the one or more semantic networks are represented using a semantic network representation language.

28. (Previously Presented) The system of claim 27 in which the semantic network representation language is selected from the group consisting of SnePs, SGML, XML, and HTML.

29. (Original) The system of claim 20 in which the one or more semantic networks are persistently stored.

30. (Original) The system of claim 20 further comprising:

a network navigator mechanism to search the one or more semantic networks.

31. (Original) The system of claim 30 in which the network navigator mechanism performs a search of the one or more semantic networks based upon receiving a query.

32. (Currently Amended) A computer program product that includes a computer-usable medium having a sequence of instructions which, when executed by a processor, causes said processor to execute a process for materializing a trace in a markup language syntax, said process comprising:

creating a first_trace grammar in which the first trace grammar complies with

rules of a meta-language grammar;

creating a second trace grammar wherein the second trace grammar is different than the first trace grammar in which the second trace grammar also complies with the rules of the meta-language grammar;

generating one or more traces compliant with the ~~first~~ trace grammar<u>s</u>;

parsing the one or more traces;

identifying interrelationships within the one or more traces; and

generating a new version of the one or more traces using a markup language syntax.

33. (New) The computer program product of claim 32, wherein a subset of the one or more traces is compliant with a second trace grammar.

34. (New) The product of claim 32, further comprising:

detecting a format conflict between the first trace grammar and the second trace grammar.

35. (New) The computer program product of claim 32, further comprising:

building a semantic network corresponding to the identified interrelationships.

36. (New) The computer program product of claim 32, wherein the new version of the one or more traces comprises a hyperlink.

37. (New) The computer program product of claim 32, further comprising:

defining a second meta-language grammar.